



PTO/SB/21 (01-03)

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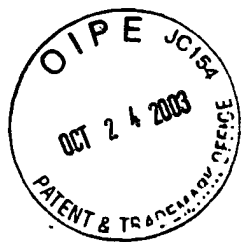
TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/623,972
	Filing Date	July 21, 2003
	First Named Inventor	Chen, et al.
	Art Unit	
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	21266 US1

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
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<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks -References B1 to B5 and C1 to C21	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual	Patricia S. Rocha-Tramaloni	
Signature		
Date	October 22, 2003	

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313 on this date <u>October 22, 2003</u>			
Typed or printed	Patricia S. Rocha-Tramaloni		
Signature		Date	October 22, 2003

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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application

Inventors: Chen, et al.

Serial No. 10/623,972, filed July 21, 2003
(Ref. No. 21266 US1)

For: **PYRIMIDO COMPOUNDS HAVING ANTIPROLIFERATIVE ACTIVITY**

INFORMATION DISCLOSURE STATEMENT

Nutley, New Jersey 07110
October 22, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicants respectfully direct the Examiner's attention to the documents listed on enclosed Form PTO-1449.

Documents B1 to B5 and C1-C21 listed on Form PTO-1449 are enclosed. Copies of documents A1-A6 are not enclosed as they are U.S. patents.

Consideration of all the documents cited on Form PTO-1449 is requested.

Serial No. 10/623,972
Filed: July 21, 2003

Applicants bring to the Examiner's attention that co-owned U.S. Patent 6,150,373 (Harris, et al.) (document A1) is involved in an interference (Interference No. 104,798) with the U.S. application on which WO 99/61444 (document B2) is based. In the course of this interference the documents listed below were either cited or located by applicants. Applicants bring these documents to the Examiner's attention for purposes of completion. While the undersigned believes that U.S. Patent No. 6,150,373 and WO 99/61444 are the most relevant references, the documents available as a result of the interference are also herein cited for completion.

Documents Located As Part of Interference No. 104,798

U.S. Patent Documents

A2	2,949,466	Hoefle, et al.	08/16/1960
A3	4,886,807	Kitamura, et al.	12/12/1989
A4	3,939,084	Sullivan	02/17/1976
A5	4,425,346	Horlington	01/10/1984

Foreign Patent Documents

B3	WO 02/18380 A1	F.Hoffmann-La Roche Inc.	03/07/2002
B4	WO 01/64679 A1	SmithKline Beecham Corp.	09/07/2001

Non Patent Literature Documents

C5	Masquelin et al., <i>Helvetica Chimica Acta</i> , Vol. 81 (1998) pgs. 646-659
C6	Devi, et al., <i>Indian Journal of Heterocyclic Chemistry</i> , Vol. 7, January – March, 1998, pgs. 193-196

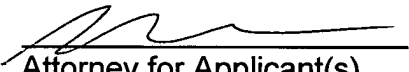
Non Patent Literature Documents - Continued

- C7** Tominaga et al., *Chemical & Pharmaceutical Bulletin*, Vol. 32, No. 1, January 1984, pgs. 122-129
- C8** Tominaga et al., *Heterocycles*, Vol. 12, No. 4. 1979, pgs. 503-504
- C9** Marsh et al., *Chemical Communications* 1996, pgs. 1527-1528
- C10** *Z. Chem.* 20 Jg (1980) Heft. 11, pgs. 412-413
- C11** Cappuccino et al., *Cancer Research* Vol. 24, August 1964, pgs. 1243-1248
- C12** Chatterjee et al., *J. Sci. Industr. Res.*, Vol. 17B, February, 1958, pgs. 63-70
- C13** Chatterjee et al., *J. Sci. Industr. Res.* ,Vol. 18B, July, 1959, pgs. 272-278
- C14** Graboyes et al., *Pteridines X.*, Vol. 11 January 6, 1968, pgs. 568-573
- C15** Grohe et al., *Liebigs Ann. Chem*, 1974, pgs. 2066-2073
- C16** Gulevskaya et al., *Chemistry of Heterocyclic Compounds*, Vol. 30, No. 9, 1994, pgs. 1083-1091
- C17** Hirota et al., *J. Chem. Soc. Perkin Trans.*, 1, 1990, pgs. 123-128
- C18** Srivastava, et al., *Combinatorial Chemistry & High Throughout Screening*, 1999, 2, pgs. 33-37
- C19** Taylor et al., *Pyrimido [4,5-D]Pyrimidines*, Vol. 82, pgs. 5711-5718
- C20** Wamhoff et al., *Heterocycles*, Vol. 35, No. 2, 1993, pgs. 1055-1066
- C21** M. Hirota et al., "A Facile Synthesis of 7-Substituted Pyrimido[4,5-d]-Pyrimidine-2,4-diones", *Synthesis*, pgs. 589-590 (1984)

Serial No. 10/623,972
Filed: July 21, 2003

Since the Information Disclosure Statement is submitted before the mailing of the first Office Action on the merits or within three months of the filing date for the above application, no fee is due.

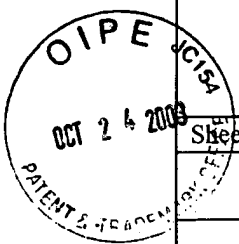
Respectfully submitted,



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Enclosures

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Application Number	10/623,972
				Filing Date	July 21, 2003
				First Name Inventor	Chen, et al.
Sheet	1	of	2	Attorney Docket Number	21266 US1

U.S. PATENT DOCUMENTS

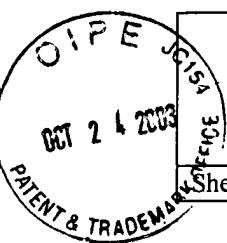
Examiner Initials ⁷	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited document MM-DD-YYYY
		Number	Kind Code ² (if known)		
	A1	6,150,373		Harris, et al.	11/21/2000
	A2	2,949,466		Hoefle, et al.	08/16/1960
	A3	4,886,807		Kitamura, et al.	12/12/1989
	A4	3,939,084		Sullivan	02/17/1976
	A5	4,425,346		Horlington	01/10/1984
	A6	6,451,804		Dunn, et al.	09/17/2002

FOREIGN PATENT DOCUMENTS

Examiner Initials ⁷	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁸
		Office ³	Number ⁴	Kind Code ⁵ (if known)			
	B1	WO	98/24432		Sugen, Inc.	06/11/1998	
	B2	WO	99/61444		Warner-Lambert Company	12/02/1999	
	B3	WO	02/18380 A1		F.Hoffmann-La Roche AG	03/07/2002	
	B4	WO	01/64679 A1		SmithKline Beecham Corp.	09/07/2001	
	B5	WO	01/29041 A1		F.Hoffmann-La Roche AG	04/26/2001	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials ⁷	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	C1	Hennequin, L. F. et al., <i>J. Med. Chem.</i> 2002, Vol. 45(6) pgs. 1300-1312	
	C2	Klohs W. E. et al., <i>Current Opinion in Biotechnology</i> 1999, Vol. 10, pgs. 544-549	
	C3	Ansel, H. et al., <i>Pharmaceutical Dosage Forms & Drug Delivery Systems</i> 6 th Ed. 1995, pg. 196	
	C4	J. Alexander, et al., <i>J. Med. Chem.</i> 1988, Vol. 31, pgs. 318-322	
	C5	Masquelin et al., <i>Helvetica Chimica Acta</i> , Vol. 81 (1998) pgs. 646-659	
	C6	Devi, et al., <i>Indian Journal of Heterocyclic Chemistry</i> , Vol. 7, January – March, 1998, pgs. 193-196	
	C7	Tominaga et al., <i>Chemical & Pharmaceutical Bulletin</i> , Vol. 32, No. 1, January 1984, pgs. 122-129	
	C8	Tominaga et al., <i>Heterocycles</i> , Vol. 12, No. 4. 1979, pgs. 503-504	
	C9	Marsh et al., <i>Chemical Communications</i> , 1996, pgs. 1527-1528	
	C10	<i>Z. Chem.</i> 20 Jg (1980) Heft. 11, pgs. 412-413	
	C11	Cappuccino et al., <i>Cancer Research</i> , Vol. 24, August 1964, pgs. 1243-1248	
	C12	Chatterjee et al., <i>J. Sci. Industr. Res.</i> , Vol. 17B, February, 1958, pgs. 63-70	
	C13	Chatterjee et al., <i>J. Sci. Industr. Res.</i> , Vol. 18B, July, 1959, pgs. 272-278	
	C14	Graboyes et al., <i>Pteridines X.</i> , Vol. 11 January 6, 1968, pgs. 568-573	
	C15	Grohe et al., <i>Liebigs Ann. Chem.</i> , 1974, pgs. 2066-2073	



Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Application Number	10/623,972
				Filing Date	July 21, 2003
				First Name Inventor	Chen, et al.
Sheet	2	of	2	Attorney Docket Number	21266 US1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	C16	Gulevskaya et al., <i>Chemistry of Heterocyclic Compounds</i> , Vol. 30, No. 9, 1994, pgs. 1083-1091	
	C17	Hirota et al., <i>J. Chem. Soc. Perkin Trans. 1</i> , 1990, pgs. 123-128	
	C18	Srivastava, et al., <i>Combinatorial Chemistry & High Throughout Screening</i> , 1999, 2, pgs. 33-37	
	C19	Taylor et al., <i>Pyrimido [4,5-D]Pyrimidines</i> , Vol. 82, pgs. 5711-5718	
	C20	Wamhoff et al., <i>Heterocycles</i> , Vol. 35, No. 2, 1993, pgs. 1055-1066	
	C21	M. Hirota et al., "A Facile Synthesis of 7-Substituted Pyrimido[4,5-d]-Pyrimidine-2,4-diones", <i>Synthesis</i> , pgs. 589-590 (1984)	
Examiner Signature			Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation or abstract is attached.

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